

IN THE DRAWING

Please replace figures 1A-4 (5 sheets) with substitute formal figures 1A-4 (7 sheets) filed herewith as Exhibit C.

IN THE CLAIMS

Please cancel claim 5 without prejudice and cancel claims 11-19 and 21-32 without prejudice for being directed to a nonelected invention. Please replace claims 1-3, 6 and 20 with the following amended claims 1-3, 6 and 20.

1. (amended) An isolated polynucleotide comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide having the nucleotide sequence of SEQ ID NO: 1, 12 or 14;
- (b) a polynucleotide having the nucleotide sequence of the cDNA insert of clone pIL-1Hy2 (ATCC Accession No. PTA-96);
- (c) a polynucleotide having the IL-1Hy2 protein coding nucleotide sequence of a polynucleotide of (a) or (b).

B12 3 2. (amended). An isolated polynucleotide encoding a polypeptide with IL-1Hy2 activity, comprising a polynucleotide selected from the group consisting of:

- (a) polynucleotides that encode the amino acid sequence of SEQ ID NO: 2;
- (b) polynucleotides that encode the amino acid sequence of SEQ ID NO: 13 and
- (c) polynucleotides that encode the protein encoded by the cDNA insert of clone pIL-1Hy2.

Sub C1
3. (amended) An isolated polynucleotide that specifically binds the nucleotide sequence of SEQ ID NO: 1, 12 or 14, wherein said polynucleotide hybridizes to the complement of a polynucleotide of ~~any one of claims 1 or 2~~ under the following stringent conditions:

B12
cont.
(a) hybridization at 65°C in a solution containing 0.5 M NaHPO₄, 7% sodium dodecyl sulfate (SDS), and 1 mM EDTA; and

(b) washing at 68°C in a solution containing 0.1 x SSC and 0.1%

SDS.

B13
5 6. (amended) The polynucleotide of claim ⁴ which is selected from the group consisting of polynucleotides having the IL-1Hy2 protein coding sequence of SEQ ID NO: 1 and comprising one or more of the following nucleotide changes: T125C, C184T and A205C.

10 20. (amended) A method of producing IL-1Hy2 polypeptide wherein the method comprises:

- B14
- a) culturing the host cell of claim ⁸ for a period of time sufficient to express the polypeptide contained within said cell; and
 - b) isolating the polypeptide from the cell of step a.